

**MEMORANDUM OF UNDERSTANDING**  
**BETWEEN**  
**KOREA ATOMIC ENERGY RESEARCH INSTITUTE**  
**AND**  
**ARGONNE NATIONAL LABORATORY**  
**FOR TECHNICAL COOPERATION CONCERNING NUCLEAR SCIENCE AND**  
**TECHNOLOGY**

This Memorandum of Understanding (MOU) is made between Korea Atomic Energy Research Institute (KAERI) and Argonne National Laboratory (ANL).

KAERI and ANL (hereinafter referred to as the "Participants") are leading institutions of research and development (R&D) for their respective countries and desire to promote and develop closer scientific and technological cooperation in the development and application of nuclear energy for peaceful purposes.

**PARAGRAPH I -- PURPOSE**

The general purpose of this MOU is to strengthen the technical cooperation of the Participants by:

- Stimulating the initiation and coordination of cooperative activities;
- Exchanging scientific and technological information;
- Facilitating the exchange of scientists, engineers or other experts, which includes their short- or long-term visits or working assignments to the facilities of the Participants;
- Fostering the creation of joint R&D projects;
- Planning complementary R&D projects; and
- Other cooperative activities as may be identified and determined mutually beneficial by the Participants.

**PARAGRAPH II – PLANNED FIELD OF COOPERATION**

The Participants may discuss and plan for cooperation in the fields of:

- Prototype Generation-IV Sodium-cooled Fast Reactor (PGSFR) Project;
- Other Generation-IV nuclear energy systems;
- Advanced fuel cycles;
- Advanced light water reactor systems;
- Advanced gas reactor systems;
- Nuclear generation of hydrogen at large scale;

- Utilization technology of research reactors (HANARO);
- Decontamination and decommissioning technology;
- Nuclear science and technology; and
- Such other areas of cooperation as may be determined by the Participants in writing.

### **PARAGRAPH III -- FORMS OF COOPERATION**

1. The activities carried out by the Participants under this MOU may include the following:
  - Meetings organized to discuss specific technical topics and cooperative activities;
  - Visits of individuals or teams from one Participant to the facilities of the other Participant;
  - Exchange of general, scientific and technical information on topics mutually decided upon;
  - Planning of joint R&D projects on topics mutually decided upon; and
  - Assessing the role of current facilities, or planning for future facilities.
2. Any exchange of personnel, proprietary/confidential information, joint R&D projects, or other collaborative efforts that may be identified by the Participants are to be subject to appropriate contracts.

### **PARAGRAPH IV -- COORDINATION**

1. Each Participant is to designate a Principal Coordinator to guide the effective coordination of the cooperative activities. The Principal Coordinators are to be a central point of contact for each Participant, through whom all communication concerning arrangements for cooperation is to be made. The Principal Coordinators are to determine and facilitate the preparation of contracts needed to implement planned cooperative activities.
2. The initial Principal Coordinators are as follows:

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For ANL: Yoon Il Chang  
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#### **PARAGRAPH V-- GENERAL CONSIDERATIONS**

1. Cooperation under this MOU is to commence upon the signature of both Participants and continue for ten (10) years. It may be extended in writing upon mutual consent of the Participants.
2. The terms of this MOU may be altered in writing by mutual consent of the Participants. If either Participant wishes to cease its activities under this MOU, it should endeavor to give ninety (90) days advance written notice to the other Participant.
3. This MOU is not intended to create legally binding obligations between the Participants. The conduct of cooperative activities contemplated by this MOU is subject to the availability of funding, personnel and other resources. It is understood that each Participant is to be responsible for, and is to provide funding to cover the costs individually incurred in, participating in the cooperation contemplated by this MOU.

Signed at Argonne, in duplicate, this 25th day of August 2014.

For Argonne National Laboratory:

  
Signature

Name: Dr. Peter Littlewood  
Title: Laboratory Director

For Korea Atomic Energy Research Institute:

  
Signature

Name: Dr. Jong Kyung Kim  
Title: President